HOUSE OF EDUCATION, AMBLESIDE.

NAME K. Hugman.

DATE 1723.

SUBJECT g.s.a., LONDON.

cme 147

i2pdcmc147 astronomy. 1923. Nov. 20th Pleader BULL ARIES Capella.

Vega

Declination \$1.5. of the celestial equator corresponds to earthly latitude
Right ascension corresponds to earthly longitude. but the degrees are reckoned right round instead of 149 E v 139 W.

Halley's Cornet appeared 1531, 1607, 1682

The Halley predicted that it would again appear in 1759. He did not live to see the fulfillment of his prophecy. He was Newton's friend applied his law of gravitation to the cornets. The Cornet appeared again in 1910, 27 months, before it was expected. This is paid to be because in 1835 it passed so close to I upiter that the latter's attraction changed its orbit. Halley's cornet also appeared in 240 B.C., 66. HD., x 1066.

The orbits of a corneto is a parabola. the conic section taken parabel to the axis. that is, of those comets which never return. There are also periodic comets, whose orbits are ellipses, usually much clongated.

architecture.

Nov. 26 th

Early English Period

1189 or 1199 to 12(72) Lancel
12 12 - 1307 Geometrical.

Arches: Equilateral Lancet

Long nanow windows did not give much light, so they were grouped together.

Whitky Hexham

Salisbury Cathedral Lincoln Line

Wells .

Westminster abbey

Southwark Cath.

Timo . (Modern)

Characteristies:

2 arches under one in doorways or triforium arcade

Chestered pillars

Bell capitals & skiff skemted foliage ones (carved)

Ernament: dog-tooth Theying Buttresses I 4 at Westminster #] All arches - windows doors et .- either lancet or equilateral.

astronomy.

Gemini

BOOTES
CORONABOREALIS

Nov. 27th

Periodie Comets * parabolic cornets. of long period (40) short " (20)

Periodie cometranthose 'captured' by the planets. i.e. who were close enough to the comet at its appearance to change its orbit & force it to travel round the sun in an ellipse continuously y thereby, to make periodic appearances. Parabolic comets are those which whill into our solar system from space round the sun & as quickly swing out again, perhaps never to return. The rail of a corner is always turned away

from the sun, a fact which may be due to the pressure of light. ocontain carbon. It is a comet is self-luminous; & very light in weight - air of the same volume is 4 or 5 thousand times heavier than the comet. than air we may san this when we see stars through the tail of a comet. This does not prove that a comet is made up of

gaseous matter; observations have shown that there are a large number of small sold bodies compose the compts head or nucleus Shooting Stars are not proper stars. They are lumps of matter which when they enter our atmosphere become luminous. Iravelling at 30 I'd our atmosphere has the effect of the thinking them

architecture. Dec. 3rd 23.

Decorated Period 1242 or 1307 till 1377

- diagonal

diagonal ribs transverse " ridge & wall .. intermediate . lierne

Characteristic decoration of Metrose abbey: curling Johanne flowing round the capitals. 1. Ball forver ornament - seen in Lincoln 2 Plate 7 2 Bar tracery.

Large surfaces of blank stone left

2. Thin lines - ... In the latter therefore growings were able to be used

Ruskin thought that the architects were inspired to design by the thought of the shape of the light that would come through.

3. Curvilinear tracery, one form of which is reticulated tracery

4. Lierne Paulting.

5. Pier - clustered pillars in solid masoner - not detached.

ogee anch.

astronomy

Dec 4th 23.

Meteors radiate from one of the constellations. In Nov. 1833

1866 every 33 years Leonids

.. (end) every 13 years andromedids

· august - Perseids

april - Lyra.

after the shaver of meteors in 1866 it was discovered that Tempel's cornet trad the same orbit as the Leonids.

Nov. andromedias & Bida's cornet 1845 1852

every 13475, 1872, 1885, 1898 | Biela's

Capella R = 54 hrs Dec = + 45°
Vega R : 182 hrs Dec = + 39°
Sinus R : 7 hrs Dec = - 17°
Acturus R : 14 hrs Dec = + 20°

Diagnam showing the placing of stars by Right ascension

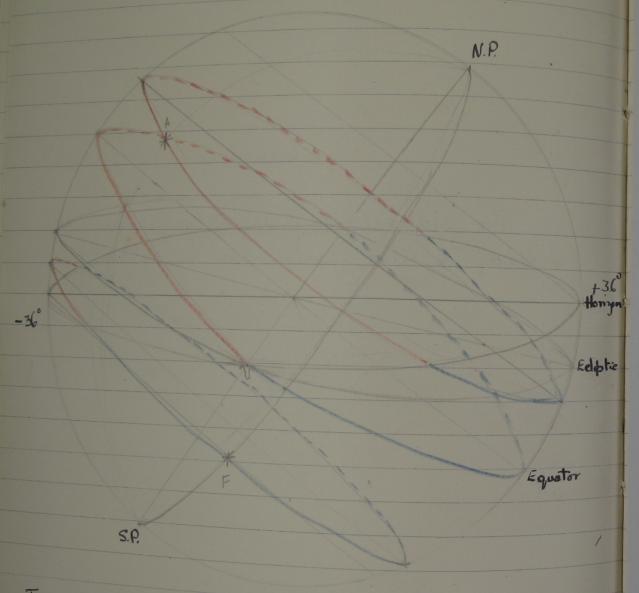
Veqa * *Cabella

*Sirius.

2000

12p13cme147 i2p 14 cmc 147 architecture Dec. 10th 23 Respendicular 1377-1485 1485 Tudor Charackeristics: Transoms, or lines (horizontal) across the windows astronomy Dec. 13th Parapets are often battlements. Black stone , white stone charackerises the task The Sidereal day is 23 hrs. 56 mins. i.e. rearly 4 mins shorter than the solar day. anglian churches Central Towers v gateways. Doarways y parches in rectangles Panelling.

Celestial Sphere for an observer in ambleseide (540 N)



Fomalhant A: 23 hrs Dec: -30° Aldebaran R: 42 hrs Dec: +16°